

# Developmental Psychobiology

## Author Index to Volume 27

- Abbott, D. H.** See Clarke, A. S., 257
- Ackermann, C.** See Spangler, G., 425
- Adams-Curtis, L. E.**
- ; Fragaszy, D. M.: Development of Manipulation in Capuchin Monkeys During the First 6 Months, 123
- Alberts, J. R.** See Ronca, A. E., 23
- Alleva, E.** See Cirulli, F., 301
- Ballweg, D. D.** See Philbin, M. K., 11
- Balsam, P. D.** See Iskrant, K. R., 195
- Bass, E. W.** See Johns, J. M., 227
- Beauchamp, G. K.**
- ; Cowart, B. J.; Mennella, J. A.; Marsh, R. R.: Infant Salt Taste: Developmental, Methodological, and Contextual Factors, 353
- Bentz, L. S.** See Groome, L. J., 453
- Bolivar, V. J.**
- ; Brown, R. E.: The Ontogeny of Ultrasonic Vocalizations and Other Behaviors in Male Jimmy (jp/Y) Mice and Their Normal Male Littermates, 101
- Boller, K.**
- ; Rovee-Collier, C.: Contextual Updating of Infants' Reactivated Memories, 241
- Brown, R. E.** See Bolivar, V. J., 101
- Brunelli, S. A.** See Hofer, M. A., 503
- Bruno, J. P.** See McCone Byrnes, E., 409
- Cabib, S.** See Neveu, P. J., 205
- Campbell, B. A.** See Richardson, R., 93
- Carden, S. E.**
- ; Davachi, L.; Hofer, M. A.: U50, 488 Increases Ultrasonic Vocalizations in 3-, 10-, and 18-Day-Old Rat Pups in Isolation and the Home Cage, 65
- Caughy, M. O.** See DiPietro, J. A., 137
- Chance, G.** See Morrongiello, B. A., 519
- Cirulli, F.**
- ; Santucci, D.; Laviola, G.; Alleva, E.; Levine, S.: Behavioral and Hormonal Responses to Stress in the Newborn Mouse: Effects of Maternal Deprivation and Chlor-diazepoxide, 301
- Clarke, A. S.**
- ; Wittwer, D. J.; Abbott, D. H.; Schneider, M. L.: Long-Term Effects of Prenatal Stress on HPA Axis Activity in Juvenile Rhesus Monkeys, 257
- Cleland, J. W.** See Gustafson, G. E., 1
- Coscina, D. V.** See Wainwright, P. E., 467
- Cowart, B. J.** See Beauchamp, G. K., 353
- Cusson, R.** See DiPietro, J. A., 137
- D'Amato, F. R.** See Neveu, P. J., 205
- Davachi, L.** See Carden, S. E., 65
- Del Canho, S.** See Leshem, M., 185, 381
- Deleplanque, B.** See Neveu, P. J., 205
- Delivoria-Papadopoulos, M.** See Hayes, M. J., 271
- Deviterne, D.**
- ; Peignot, P.; Krafft, B.: Behavioral Profiles of Adult Rats in a Difficult Food Supply Social Situation, Related to Certain Early Behavioral Features, 215
- Dewsbury, D. A.** See Salo, A. L., 317

**DiPietro, J. A.**

- ; Caughy, M. O.; Cusson, R.; Fox, N. A.: Cardiorespiratory Functioning of Preterm Infants: Stability and Risk Associations for Measures of Heart Rate Variability and Oxygen Saturation, 137

**Distel, H.** See Kindermann, U., 111

**Doussard-Roosevelt, J. A.** See Porges, S. W., 289

**Epstein, A. N.** See Leshem, M., 185

**Eterovic, V. A.** See Gonzalez-Lima, F., 343

**Fenwick, K. D.** See Morrongiello, B. A., 519

**Ferchmin, P. A.** See Gonzalez-Lima, F., 343

**Fielding, B. A.** See Hayes, M. J., 271

**Fleming, T. M.** See Hill, W. L., 331

**Fox, N. A.** See DiPietro, J. A., 137

**Fragaszy, D. M.** See Adams-Curtis, L. E., 123

**Galef, B. G., Jr.**

- ; Smith, M. A.: Susceptibility of Artificially Reared Rat Pups to Social Influences on Food Choice, 85

**Geerdink, J. J.**

- ; Hopkins, B.; Hoeksma, J. B.: The Development of Head Position Preference in Preterm Infants Beyond Term Age, 153

**Gonzalez-Lima, E. M.** See Gonzalez-Lima, F., 343

**Gonzalez-Lima, F.**

- ; Ferchmin, P. A.; Eterovic, V. A.; Gonzalez-Lima, E. M.: Metabolic Activation of the Brain of Young Rats after Exposure to Environmental Complexity, 343

**Goodwin, G. A.**

- ; Molina, V. A.; Spear, L. P.: Repeated Exposure of Rat Pups to Isolation Attenuates Isolation-

Induced Ultrasonic Vocalization Rates: Reversal with Naltrexone, 53

**Gray, L.** See Philbin, M. K., 11

**Green, J. A.** See Gustafson, G. E., 1

**Groome, L. J.**

- ; Mooney, D. M.; Bentz, L. S.; Wilson, J. D.: Vagal Tone during Quiet Sleep in Normal Human Term Fetuses, 453

**Gustafson, G. E.**

- ; Green, J. A.; Cleland, J. W.: Robustness of Individual Identity in the Cries of Human Infants, 1

**Hayes, M. J.**

- ; Plante, L. S.; Fielding, B. A.; Kumar, S. P.; Delivoria-Papadopoulos, M.: Functional Analysis of Spontaneous Movements in Preterm Infants, 271

**Hess, M.** See Richardson, R., 93

**Hill, W. L.**

- ; Fleming, T. M.; Shrier, E. M.: Tonic Immobility and High-Intensity Calls in a Precocial Chick as a Function of Age, Diet, and Time of Day, 331

**Hillier, L.** See Morrongiello, B. A., 519

**Hoeksma, J. B.** See Geerdink, J. J., 153

**Hofer, M. A.**

- ; Brunelli, S. A.; Shair, H. N.: Potentiation of Isolation-Induced Vocalization by Brief Exposure of Rat Pups to Maternal Cues, 503

See Carden, S. E., 65

**Hoff, K. T.** See Hoff, M. P., 439

**Hoff, M. P.**

- ; Nadler, R. D.; Hoff, K. T.; Maple, T. L.: Separation and Depression in Infant Gorillas, 439

**Hopkins, B.** See Geerdink, J. J., 153

**Hopkins, W. D.**

Hand Preferences for Bimanual Feeding in 140 Captive Chimpanzees

- (*Pan troglodytes*): Rearing and Ontogenetic Determinants, 395
- Huang, Y.-S.** See Wainwright, P. E., 467
- Hudson, R.** See Kindermann, U., 111
- Ilg, U.** See Spangler, G., 425
- Iskrant, K. R.**
- ; Balsam, P. D.: Social and Nutritional Influences on the Feeding of Ring Dove Squab, 195
- Johns, J. M.**
- ; Means, M. J.; Bass, E. W.; Means, L. W.; Zimmerman, L. I.; McMillen, B. A.: Prenatal Exposure to Cocaine: Effects on Aggression in Sprague-Dawley Rats, 227
- Kamm, K.** See Ronca, A. E., 23
- Kindermann, U.**
- ; Hudson, R.; Distel, H.: Learning of Suckling Odors by Newborn Rabbits Declines with Age and Suckling Experience, 111
- Krafft, B.** See Deviterne, D., 215
- Kumar, S. P.** See Hayes, M. J., 271
- Laviola, G.** See Cirulli, F., 301
- Leshem, M.**
- ; Del Canho, S.; Epstein, A. N.: Intracerebroventricular Injection of Renin in the Neonatal Rat Reveals a Precocious Sodium Appetite that is Dissociated from Renin-Aroused Thirst, 185
- ; Neufeld, M.; Del Canho, S.: Ontogeny of the Ionic Specificity of Sodium Appetite in the Rat Pup, 381
- Lévesque, S.** See Wainwright, P. E., 467
- Levine, S.** See Cirulli, F., 301
- Lickliter, R.** See McBride, T., 169
- Lorenz, D. N.**
- Effects of CCK-8 on Ingestive Behaviors of Suckling and Weanling Rats, 39
- McBride, T.**
- ; Lickliter, R.: Specific Postnatal Auditory Stimulation Interferes with Species-Typical Visual Responsiveness in Bobwhite Quail Chicks, 169
- McCone Byrnes, E.**
- ; Bruno, J. P.: Development of Uncoupling between D1- and D2-Mediated Motor Behavior in Rats Depleted of Dopamine as Neonates, 409
- McCutcheon, D.** See Wainwright, P. E., 467
- McMillen, B. A.** See Johns, J. M., 227
- Maier, U.** See Spangler, G., 425
- Maple, T. L.** See Hoff, M. P., 439
- Marsh, R. R.** See Beauchamp, G. K., 353
- Means, L. W.** See Johns, J. M., 227
- Means, M. J.** See Johns, J. M., 227
- Mennella, J. A.** See Beauchamp, G. K., 353
- Molina, V. A.** See Goodwin, G. A., 53
- Mooney, D. M.** See Groome, L. J., 453
- Morrongioello, B. A.**
- ; Fenwick, K. D.; Hillier, L.; Chance, G.: Sound Localization in Newborn Human Infants, 519
- Nadler, R. D.** See Hoff, M. P., 439
- Neufeld, M.** See Leshem, M., 381
- Neveu, P. J.**
- ; Deleplaque, B.; Puglisi-Allegra, S.; D'Amato, F. R.; Cabib, S.: Influence of Early Life Events on Immune Reactivity in Adult Mice, 205

**Peignot, P.** See Deviterne, D., 215  
**Philbin, M. K.**

—; Ballweg, D. D.; Gray, L.: The Effect of an Intensive Care Unit Sound Environment on the Development of Habituation in Healthy Avian Neonates, 11

**Plante, L. S.** See Hayes, M. J., 271

**Porges, S. W.**

—; Doussard-Roosevelt, J. A.; Portales, A. L.; Suess, P. E.: Cardiac Vagal Tone: Stability and Relation to Difficultness in Infants and 3-Year-Olds, 289

**Portales, A. L.** See Porges, S. W., 289

**Puglisi-Allegra, S.** See Neveu, P. J., 205

**Richardson, R.**

—; Hess, M.; Campbell, B. A.: The Orienting Response to Brief Auditory Stimuli in Prewanling and Adult Rats, 93

**Robinson, S. R.** See Simonik, D. K., 489

**Ronca, A. E.**

—; Kamm, K.; Thelen, E.; Alberts, J. R.: Proximal Control of Fetal Rat Behavior, 23

**Rovee-Collier, C.** See Boller, K., 241

**Rudy, J. W.**

Ontogeny of Context-Specific Latent Inhibition of Conditioned Fear: Implications for Configural Associations Theory and Hippocampal Formation Development, 367

**Salo, A. L.**

—; Shapiro, L. E.; Dewsbury, D. A.: Comparisons of Nipple Attach-

ment and Incisor Growth among Four Species of Voles (*Microtus*), 317

**Santucci, D.** See Cirulli, F., 301

**Schieche, M.** See Spangler, G., 425

**Schneider, M. L.** See Clarke, A. S., 257

**Shair, H. N.** See Hofer, M. A., 503

**Shapiro, L. E.** See Salo, A. L., 317

**Shrier, E. M.** See Hill, W. L., 331

**Simonik, D. K.**

—; Robinson, S. R.: Smotherman, W. P.: Cocaine Alters Cyclic Motor Activity in the Fetal Rat, 489

**Smith, M. A.** See Galef, B. G., Jr., 85

**Smotherman, W. P.** See Simonik, D. K., 489

**Spangler, G.**

—; Schieche, M.; Ilg, U.; Maier, U.; Ackermann, C.: Maternal Sensitivity as an External Organizer for Biobehavioral Regulation in Infancy, 425

**Spear, L. P.** See Goodwin, G. A., 53

**Suess, P. E.** See Porges, S. W., 289

**Thelen, E.** See Ronca, A. E., 23

**Wainright, P. E.**

—; Huang, Y.-S.; Coscina, D. V.; Lévesque, S.; McCutcheon, D.: Brain and Behavioral Effects of Dietary n-3 Deficiency in Mice: A Three Generational Study, 467

**Wilson, J. D.** See Groome, L. J., 453

**Wittwer, D. J.** See Clarke, A. S., 257

**Zimmerman, L. I.** See Johns, J. M., 227

# Developmental Psychobiology

## Subject Index to Volume 27

- Accumbens, 343
- ACTH, 257
- Adrenocortical function, 425
- Adult, 215
- Aggression, 227
- Amfonelic acid, 227
- Amniotic sac, 23
- Anaclitic depression, 439
- Artificial rearing, 85
- Attachment, 65
- Auditory, 11
- Auditory conditioned stimulus (CS), 367
- Autonomic nervous system, 453
- Autonomic state, 289
  
- Begging, 195
- Behavioral characteristics, 215
- Behavioral reactivity, 289
- Behavior patterns, 271
- Bimanual feeding, 395
- Biobehavioral regulation, 425
- B lymphocytes, 205
- Brain activity, 343
- Brain development, 467
- Brain fatty acid composition, 467
  
- Capuchins, 123
- Cardiac vagal tone, 289
- CCK-8, 39
- Chicken, 11
- Chlordiazepoxide, 301
- Cholecystokinin, 39
- Circadian rhythms, 331
- Clebopride, 409
- Cocaine, 227, 489
- Comparative development, 317
- Context, 23
- Context effects, 241
- Corticosterone, 301
- Cortisol, 257
  
- Dependent feeding, 195
- Deprivation, 195
- Development, 85, 123, 195, 227, 257, 301, 353, 409
- Dietary deficiency, 467
- Distress calls, 65
- Distress vocalizations, 331
- Docosaehaenoic acid, 467
- Domestic chicks, 331
- D1 receptors, 409
- D2 receptors, 409
  
- Early experience and perceptual development, 169
- Endogenous opiates, 53
- Environment, 11
- Environmental complexity, 343
- Environmental enrichment, 343
  
- Fear, 367
- Feeding, 39, 195
- Female, 467
- Fetal movement, 23
- Food choice, 85
- Food intake, 195
  
- Gepirone, 227
  
- Habituation, 11
- Hand preferences, 395
- Head position, 153
- Heart rate, 93, 137
- Heart rate variability, 137
- Hot-plate reactivity, 467
- HPA axis, 257, 301
- Human fetus, 453
- Human infants, 241, 353, 519
- Hunger, 195
  
- Incisor growth, 317
- Infant cry sounds, 1

- Infant development, 439  
Infants, 1, 289  
Ingestion, 39  
Intensive Care, 11  
Intersensory relationships, 169  
Intrauterine growth, 153  
Ionic specificity, 381  
Isolation, 85, 503  
Isolation distress, 65
- Jimpy (jp/Y) mice, 101
- Kappa opiate receptor agonist, 65
- Locomotion, 409  
Lowland gorilla, 439
- Male, 467  
Manipulation, 123  
Maternal behavior, 467  
Maternal deprivation, 301  
Maternal sensitivity, 425  
Memory, 241  
Memory consolidation, 343  
Memory modification, 241  
*Microtus*, 317  
Morris-maze learning, 467  
Mother-infant, 439  
Motor activity, 489  
Mouse, 205, 301, 467  
Movement quality, 153
- Naloxone, 53  
Naltrexone, 53  
Natural killer cells, 205  
Neonatal, 11, 185  
Neonatal physiology, 137  
Neonatal rats, 53  
Neurobehavioral development, 11  
Nipple attachment, 317  
Norway rats, 85  
n-3 fatty acids, 467  
Nursing, 317  
Nutrition, 467
- Occipital cortex, 343  
Olfaction, 467
- Open-field activity, 467  
Operant learning, 241  
Orienting response, 93  
Oxygen saturation, 137
- Paw preference, 205  
Pecking, 195  
Perception, 11  
Perceptual organization, 169  
Porsolt test, 467  
Prenatal, 227  
Prenatal behavior, 23  
Prenatal stress, 257  
Preterm, 11  
Preterm infants, 137, 153, 271  
Primates, 123  
Proximate controls, 23  
Pup, 215
- Quinpirole, 409
- Rabbits, 111  
Rats, 93, 185, 215, 227, 343, 367, 381, 503  
Rat fetus, 23, 489  
Reactivation, 241  
Repeated isolation stress, 53  
Retardation, 153  
Retention, 241  
Reunion, 439  
Ring dove, 195
- Salt, 353, 381  
Satiety, 39  
SCH 23390, 409  
Separation, 65, 439  
Serotonin, 331  
Shock unconditioned stimulus (US), 367  
6-OHDA, 409  
SKF 38393, 409  
Skull flattening, 153  
Sniffing, 409  
Social behavior, 439  
Social deprivation, 195  
Social group, 215  
Social learning, 85, 467

Sodium appetite, 185  
 Sound localization, 519  
 Spontaneous movements, 271  
 State organization, 271  
 Stimulus complexity, 93  
 Stimulus duration, 93  
*Streptoplia risoria*, 195  
 Stress, 257  
 Stress response, 301  
 Subiculum, 343  
 Sucking, 353  
 Suckling, 39, 111, 317  
  
 Taste, 353  
 Thermal sensitivity, 467

Thirst, 185  
 T lymphocytes, 205  
 Tonic immobility, 331  
 2-Deoxyglucose, 343  
  
 U50,488, 65  
 Ultrasonic vocalizations, 53, 65, 101,  
 301, 503  
  
 Vagal tone, 137, 453  
 Voles, 317  
  
 Weaning, 195